

REMARKS/ARGUMENTS

Applicant has amended Claim 1 by introducing into it the limitations of Claim 7 which has been canceled. Applicant has rewritten Claim 9 so as to be in independent form. Claims 13-17 and 25 have been canceled, and Claim 18 has been amended so as to depend from Claim 6. Claim 22 has been amended to correct a grammatical or typographical error.

The 35 U.S.C. 112 Rejection

The Examiner objected to Claim 25 under 35 U.S.C. 112, and that claim has now been canceled.

The 35 U.S.C. 102 Rejection

The Examiner rejected Claims 1-4 and 10-12 under 35 U.S.C. 102. The limitations of original Claim 7 have been introduced into Claim 1, and Claims 2-4 and 10-12 all depend directly or indirectly from Claim 1. The rejection under 35 U.S.C. 102 has therefore been overcome.

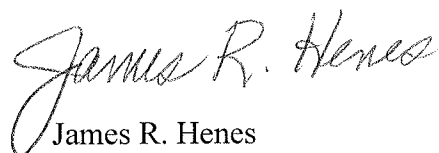
The 35 U.S.C. 103 Rejection

Claims 5-8 and 13-18 have been rejected under 35 U.S.C. 103. Alternatively Hubbell or Weedman or Weedman in view of Singh has been cited as support of the various rejections under 35 U.S.C. 103. Claims 7 and 13-17 have been canceled, but the limitations of Claim 7 have been incorporated into Claim 1 and also into Claims 5, 6, 8, and 18 which depend directly or indirectly from Claim 1. Thus, all of the currently pending claims that have been rejected under 35 U.S.C. 103 include the limitation that “at least one crystallization stage is cooled by heat exchange with an ethylene refrigerant,

wherein said ethylene refrigerant has been cooled with a stream comprising ammonia.” However, Hubbell contains no mention whatsoever of ammonia. Weedman does disclose the use of each of ethylene and ammonia as a refrigerant to cool a chiller in which paraxylene is crystallized, but Weedman does not disclose the use of ammonia to cool the refrigerant ethylene when ethylene is used to crystallize paraxylene. The Examiner acknowledged this deficiency in the disclosure of Weedman but stated that Singh could be used to provide the disclosure that is missing from Weedman. However, the Examiner did not indicate how Singh could be used for that purpose. Singh provides a theoretical discussion of heat exchange but does not disclose or even suggest the use of ammonia to cool an ethylene refrigerant.

In view of the amendments and arguments herein, Applicant respectfully requests that his amendments be entered and submits that his Claims 1-6, 8-12 and 19-24 are allowable. Therefore, Applicant respectfully requests that Claims 1-6, 8-12 And 19-24 be reconsidered and allowed.

Respectfully submitted,

A handwritten signature in cursive script that reads "James R. Henes".

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